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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/483,876	01/18/2000	Alain Jules Mayer	6-9-1	8971

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RYAN MASON & LEWIS LLP  
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FAIRFIELD, CT 06430

EXAMINER

MIRZA, ADNAN M

ART UNIT	PAPER NUMBER
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2141

11  
DATE MAILED: 12/19/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/483,876

Applicant(s)

MAYER ET AL.

Examiner

Adnan M Mirza

Art Unit

2141

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 22 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_ 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

Examiner withdraws the finality of the rejection.

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Goldberg et al (U.S. 5,146,560), Mercera et al (U.S. 5,940,252) and Flint et al (U.S. 6,453,419).

3. As per claims 1, 9, 12, 19, 27-29 Goldberg disclosed a method for analyzing at least one gateway in a network, said at least one gateway having a packet filtering configuration file including a plurality of rules, said network having a plurality of addresses (col. 6, lines 15-22), said method comprising the steps of generating a gateway-zone graph that models said network based on said packet filtering configuration file, said gateway-zone graph having at least one gateway node corresponding to said at least one gateway and at least two zone nodes (col. 1, lines 47-55), wherein said at least one gateway is a packet filtering machine and each of said zone nodes correspond to a partitioned collection of said addresses created by said at least one gateway (col. 5, lines 45-49);

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However Goldberg failed to disclose receiving a query inquiring whether one or more given services are permitted between at least one source address and at least one destination address (col. 5, lines 34-56);

In the same filed of endeavor Macera disclosed the queue allows the DLP to manage the buffer memory as multiple link lists for up to 31 destination queues. Data enters the DLP multiplexed in time for up to the 31 queues. Data enters the DLP multiplexed in time for up to the 31 queues. Data is de multiplexed into individual canonical frames in the Buffer and the header, MAC addresses, and trailer are simultaneously offered to the filter to determine how to switch for dispose of the frame (col. 16, lines 10-22).

It would have been obvious to one having ordinary skill in the art at the time of the invention was made to have incorporated disclose receiving a query inquiring whether one or more given services are permitted between at least one source address and at least one destination address as taught by Macera in the method of Goldberg to provide the organization with the flexibility and performance capability by making it more fault tolerant and be prepared for future growth and technological evolution.

However Goldberg-Macera failed to disclose evaluating said query against each of said rules associated with each gateway node in said gateway-zone graph that is encountered between said at least one source address and said at least one destination address.

In the same field of endeavor Flint disclosed the regions that the service bridge, and the access control decisions. The user draws a graph which starts with service and a to-from set. Next the user creates a path consisting of the desired options which can include: time, session counts, authentication, encryption, users/groups, WWW filters, ftp filters, email filters, destination address re-writes, to addresses and from addresses. The user is building a decision tree (col. 6, lines 3-11).

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It would have been obvious to one having ordinary skill in the art at the time the invention was made to have incorporated evaluating said query against each of said rules associated with each gateway node in said gateway-zone graph that is encountered between said at least one source address and said at least one destination address as taught by Flint in the system of Goldberg-Macera to make the alarm notification more efficient and be more fault tolerant.

4. As per claims 2,13,20 Goldberg-Macera-Flint disclosed wherein said rules are expressed as rule-base objects (Goldberg, col. 6, lines 59-67).

5. As per claims 3,10,14,21 Goldberg-Macera-Flint disclosed wherein said gateway-zone graph is derived from a network topology file (Flint, col. 6, lines 3-11).

6. As per claims 4,15,22 Goldberg-Macera-Flint disclosed wherein said query includes a wildcard for at least one of said service, source address or destination address (Macera, col. 6, lines 10-22).

7. As per claims 5,23 Goldberg-Macera-Flint disclosed further comprising the step of determining a portion of said one or more given services that are permitted between at least one source address and at least one destination address (col. 6, lines 9-15).

8. As per claims 6,11,16,24 Goldberg-Macera-Flint disclosed further comprising the step of transforming said packet filtering configuration files into a table of logical rules that are processed during said evaluating step (Flint, col. 5, lines 20-30).

9. As per claims 7,17,25 Goldberg-Macera-Flint disclosed wherein said query consists of a source host-group, a destination host-group, and a service host-group (Macera, col. 6, lines 3-11).

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10. As per claims 8,18,26 Goldberg-Macera-Flint disclosed wherein said query specifies a location where packets are to be inserted into the network that is different from a source address (Macera, col. 16, lines 32-44).

### *Conclusion*

11. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Adnan Mirza whose telephone number is (703)-305-4633.

12. The examiner can normally be reached on Monday to Friday during normal business hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (703)-308-5221. The fax for this group is (703)-746-7239.

13. The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

(703)-746-7239 (For Status Inquiries, Informal or Draft Communications, please label "PROPOSED" or "DRAFT");

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(703)-746-7239 (For Official Communications Intended for entry, please mark "EXPEDITED PROCEDURE"),

(703)-746-7238 (For After Final Communications).

14. Any Inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-305-3900.

Any response to a final action should be mailed to:

BOX AF

Commissioner of Patents and Trademarks Washington, D.C.20231


Or faxed to:

Hand-delivered responses should be brought to 4<sup>th</sup> Floor Receptionist, Crystal Park II,  
2021 Crystal Drive, Arlington, VA 22202.



Adnan Mirza

Examiner



**RUPAL DHARIA**  
**SUPERVISORY PATENT EXAMINER**